Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/04/2020 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124732	-1	3.12	124750	3.09
Blue	F	SSC	125000	124146	-1	1.96	124976	1.90
Blue	E	FITC	15892	15542	-3	2.94	339	21.00
Blue	D	PE	29999	29126	-3	2.04	636	15.48
Blue	B	PerCP-Cy5-5	43732	43249	-2	3.78	1160	21.49
Blue	A	PE-Cy7	30845	30764	-1	6.46	585	43.33
Red	C	APC	46112	45095	-3	2.55	1592	12.48
Red	A	APC-Cy7	30458	29453	-4	2.44	777	12.45
Violet	B	V450	7918	7656	-4	4.11	433	13.45
Violet	A	V500	32171	30656	-5	3.92	716	10.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17094	16.62	651	30	N/A	N/A	Pass
Blue	F	SSC	56654	1.39	577	18	N/A	N/A	Pass
Blue	E	FITC	62	64.02	552	9	0.0174	79	Pass
Blue	D	PE	134	51.50	557	9	0.1434	258	Pass
Blue	B	PerCP-Cy5-5	214	51.70	665	9	0.0080	34	Pass
Blue	A	PE-Cy7	106	108.72	711	13	0.0097	15	Pass
Red	C	APC	378	26.03	593	9	0.0228	136	Pass
Red	A	APC-Cy7	170	29.86	564	8	0.0051	910	Pass
Violet	B	V450	66	60.23	461	3	0.0446	1803	Pass
Violet	A	V500	108	31.06	476	2	0.0213	335	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.14	-32.22	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.54	13.60 - 20.40	N/A	N/A	29.14	30.04	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9643

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments